


```

Db      2 AASVTSPPSLELLQP-----GFSKTLTGTRLEAKYLCSACKNLR 42
Qy      62 SRQOTBCGRFSCMAALLSSSPKCTAC-----QSEI---VADKYFKNCCRELLA 112
Db      43 RPOAOCGHRYSFCLTSLSSGPONCAACVYEGIEGISTLESSAFPDMNAAREVES 102
Qy      113 LQIYCENESRGAEQTLGLHLVHLKNDCHFEELPCVPRDCEKYLKRLDRHVEKACKY 172
Db      103 LRAVCPND--GCTWKGTLEYESCHGELCPFLITEC--PACGLVRLSEKHEHTQDECPK 158
Qy      173 REATCSHCKSOVPMIALOKHEDTDCPVVVSCHPKCSVOITLRLSELASHLSECVNAPSTC 232
Db      159 RLSISCHCAPCSHVDLEVEHYEV--CPKPLTLC--DGGCKKKIPREFQDHRVACSCRYLC 216
Qy      233 SKRRGCVAGTNOQIKAEASAVOHVNLKEMNSLEKKYS-----LLQNESV 282
Db      217 RPHVWCCSMVELEMLQDHLRLREHLAL--LSSFLEAQSPTLNOVGPELLQRCOI 274
Qy      283 EKNKSIOSLHNOICSFIEIEROKEMLRNNESEKILHLQVIDSOAEKLEKELRPFQ 342
Db      275 LEOK-1ATENIVCVLNREVER-----VAVTAECASRQHRLDQ----- 312
Qy      343 ANNEADSMKSVESLONRYTELESVDKSAGVARNITGLLESQLSRHQMLSVHDIRLADM 402
Db      313 -----KIEALSNKYQOLE-----RSIGL-----KDLAMADL 338
Qy      403 DLRFVLETASNGVLIWKIRDYKRRKOAVNGKTLISYQPFYTGCGYKCAVYING 462
Db      339 EGVVSELEVSTYDGVFIKISDFTKRQDAVAGKTPALFSPAFYSRGYKCLVYING 398
Qy      463 DGMKGTSLSTLFFVIMRGEYDALLPMPFKOKYTLMLDQSSRRHLGAFKPDNPSSEK 522
Db      399 DGGRETHLSLEFVYVWKGNDALLQMPFNQKTYLMLDR--NNREHYIDAFRVDYSSSQ 457
Qy      523 KPTGEMNIAKSGCPVFAOTVLE--NGTYIKDTIIFKIVYDSDL 565
Db      458 RPYSDMNIASGCLPCPVSKMEAKNSYRDALFKAIVDTLGL 501

RESULT 2
US-09-724-676-53797
; Sequence 53797, Application US/09724676
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724,676
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 53797
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676-53797

Query Match      23.2%; Score 696.5; DB 5; Length 519;
Best Local Similarity 33.1%; Pred. No. 2,4e-57;
Matches 175; Conservative 83; Mismatches 174; Indels 97; Gaps 20;

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```

Db      233 PCRFHAIGCLETVEGEKQO--EHEVQWLREHLAL--LSSVLEAKPLIGDSHAGSELLQ 288
Qy      279 N-ESVEKNKSIOSLHNOICSFIEIEROKEMLRNNESEKILHLQVIDSOAEKLEKELDKET 337
Db      289 RCESTLEKTA--TFENIVCVLNREVER-----VAMTAEACS----- 322
Qy      338 RPFONNEADSMKSVESLONRYTELESVDKSAGVARNITGLLESQLSRHQMLSVHDI 397
Db      323 ---RQHRLDQ---KIEALSNKYQOLE-----RSIGL-----KDL 351
Qy      398 RLADMDLRFVLETASNGVLIWKIRDYKRRKOAVNGKTLISYQPFYTGCGYKCAV 457
Db      352 AMADLEQKVRPFOAOCGHRYSFCLASILSRKQDAVAGRIPALFSPAFYTSRGYKCKLR 411
Qy      458 VYLGNDGKGTSLSTLFFVIMRGEYDALLPMPFKOKYTLMLDQSSRRHLGAFKPDN 517
Db      412 IYLGNDGTRGTSLSTLFFVYVWKGNDALLRMPFNQKTYLMLDR--NNREHYIDAFRVDY 470
Qy      518 SSKFKPTGEMNIAKSGCPVFAOTVLE--NGTYIKDTIIFKIVYDSDL 565
Db      471 SSSFRPVDNMNIASGCLPCPVSKMEAKNSYRDALFKAIVDTLGL 519

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RESULT 3
US-09-724-676A-53797
; Sequence 53797, Application US/09724676A
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724,676A
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 53797
; LENGTH: 519
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676A-53797

Query Match      23.2%; Score 696.5; DB 5; Length 519;
Best Local Similarity 33.1%; Pred. No. 2,4e-57;
Matches 175; Conservative 83; Mismatches 174; Indels 97; Gaps 20;

```

QY 458 VYNGGKMGKTHLSLFYIMNGEYDALLPWPCKQVTLMLMDQSSRRHLDGAPKDPN 517
 Db 412 IYNGGCGTGRGTHLSLFYVIMKGPNDALLRPFENCKVTLMLDQ--NNREHVIDAFRDPVT 470
 QY 518 SSSFKKPTGEMNASCPEVFAQTULE-NGYIKDPTIFIKYIVDTS 565
 Db 471 SSSFKPVPMDNIASCPLECPVSKMEAKNSYVRDDAIFKAIYDVTGL 519

RESULT 4 US-09-724-676-84446

; Sequence 84446, Application US/09724676
 ; GENERAL INFORMATION:
 ; APPLICANT: Compugen LTD
 ; TITLE OF INVENTION: Variants of alternative splicing
 ; FILE REFERENCE: 129181.4 Compugen
 ; CURRENT APPLICATION NUMBER: US/09/724,676
 ; CURRENT FILING DATE: 2000-11-28
 ; NUMBER OF SEQ ID NOS: 97222
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 84446
 ; LENGTH: 308
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-724-676-84446

Query Match 22.7%; Score 682.5; DB 5; Length 308;
 Best Local Similarity 45.1%; Pred. No. 2.4e-56;

Matches 137; Conservative 65; Mismatches 85; Indels 17; Gaps 5;

QY 272 KVSLLQNESVEKNKSIGSLHNOICSEFIEIEROKEMLRNNSKILHLQRYIDSOAEK 331
 Db 13 KOISDLHKSLEQKESKIQOLAETIKLEKFKOPALQFGKNSFLPNIO-VFASHIDKSA 71
 QY 332 ELDKKEIRPF-----RQNMEEADSMKSSVESIQNRVTELESVDKAGVARTGILLESOL 385
 Db 72 WLEAOVHQLQVNOQNKFDLRPLMEAVDTVKOKITLLEND-----QRLAVLEEBET 124
 QY 386 SRHDMLSVHDIRLADMDFQVLETASYNGVLIWKIRDYKRRKQEAVMGKTLISYQPF 445
 Db 125 NKHDTHINIKHAQSLKNEERFKLLEGTCYNGKLIWKYDYKKKKEAVDGHVTSIFSOSF 184
 QY 446 YTGFGYKMCARVYLVNDGDMGKTHLSLFYIMNGEYDALLPWPCKQVTLMLMDQSSR 505
 Db 185 YTSRCGYRLCARAYLVNDGSGRSHLSLYFVVMGEFDSLQWPFRRQVTLMLDQ--SGK 243
 QY 506 RHLDGAFKDPNSSSFKKPTGEMNASCPEVFAQTULEN--GTYIKDPTIFIKYIVDTS 563
 Db 244 KNIMETFKPDPNSSSFKKRPGEMNASCPEVFAHVSYLENAKNAYIKDDTLFLKAVADLT 303
 QY 564 DLPD 567
 Db 304 DLED 307

RESULT 5 US-09-724-676A-84446

; Sequence 84446, Application US/09724676A
 ; GENERAL INFORMATION:
 ; APPLICANT: Compugen LTD
 ; TITLE OF INVENTION: Variants of alternative splicing
 ; FILE REFERENCE: 129181.4 Compugen
 ; CURRENT APPLICATION NUMBER: US/09/724,676A
 ; CURRENT FILING DATE: 2000-11-28
 ; NUMBER OF SEQ ID NOS: 97222
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 84446
 ; LENGTH: 308
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-724-676A-84446

Query Match 22.7%; Score 682.5; DB 5; Length 308;

Best Local Similarity 45.1%; Pred. No. 2.4e-56;
 Matches 137; Conservative 65; Mismatches 85; Indels 17; Gaps 5;

QY 272 KVSLLQNESVEKNKSIGSLHNOICSEFIEIEROKEMLRNNSKILHLQRYIDSOAEK 331
 Db 13 KOISDLHKSLEQKESKIQOLAETIKLEKFKOPALQFGKNSFLPNIO-VFASHIDKSA 71
 QY 332 ELDKKEIRPF-----RQNMEEADSMKSSVESIQNRVTELESVDKAGVARTGILLESOL 385
 Db 72 WLEAOVHQLQVNOQNKFDLRPLMEAVDTVKOKITLLEND-----QRLAVLEEBET 124
 QY 386 SRHDMLSVHDIRLADMDFQVLETASYNGVLIWKIRDYKRRKQEAVMGKTLISYQPF 445
 Db 125 NKHDTHINIKHAQSLKNEERFKLLEGTCYNGKLIWKYDYKKKKEAVDGHVTSIFSOSF 184
 QY 446 YTGFGYKMCARVYLVNDGDMGKTHLSLFYIMNGEYDALLPWPCKQVTLMLMDQSSR 505
 Db 185 YTSRCGYRLCARAYLVNDGSGRSHLSLYFVVMGEFDSLQWPFRRQVTLMLDQ--SGK 243
 QY 506 RHLDGAFKDPNSSSFKKPTGEMNASCPEVFAQTULEN--GTYIKDPTIFIKYIVDTS 563
 Db 244 KNIMETFKPDPNSSSFKKRPGEMNASCPEVFAHVSYLENAKNAYIKDDTLFLKAVADLT 303
 QY 564 DLPD 567
 Db 304 DLED 307

RESULT 6 US-09-724-676-53796

; Sequence 53796, Application US/09724676
 ; GENERAL INFORMATION:
 ; APPLICANT: Compugen LTD
 ; TITLE OF INVENTION: Variants of alternative splicing
 ; FILE REFERENCE: 129181.4 Compugen
 ; CURRENT APPLICATION NUMBER: US/09/724,676
 ; CURRENT FILING DATE: 2000-11-28
 ; NUMBER OF SEQ ID NOS: 97222
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 53796
 ; LENGTH: 336
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-724-676-53796

Query Match 22.0%; Score 660.5; DB 5; Length 536;
 Best Local Similarity 32.4%; Pred. No. 6.2e-54;
 Matches 167; Conservative 82; Mismatches 170; Indels 97; Gaps 20;

QY 63 KOTEGGRHRCESCMALLSSSPKCTAG--QESIVKDY-----FKNCKKRETLAL 113
 Db 62 PFOACGHRHRCFLASILSSGPONCAVHEGYIEGISILSSSAFPPNARKGVESL 121
 QY 114 QIYCRNESCQAEQULIGHLLVHLKNDCHFEELPCVR--PDCKEYLRKDLRDHVEKAC 170
 Db 122 PAVC--PSDCCTWKGTLKEY-----ESCHHGRCRPLMTTECPACKGLVRLGEKRRHLEHC 174
 QY 171 KYRATSSHCQOVPMTALDKHEDTDCPVVSCPHKCSQTLRLSELASHLSECVNAPS 230
 Db 175 PERLSRCHRCRAPCCGADVAAHNEV--CPKRPPLTC--DCCGKKKIPREFQDHVTCGCRV 232
 QY 231 TCSFKRYGCV--FOGTNOQIKAHEDASSAVOHVNLKRWMSNLKK-----VSLIQ 278
 Db 233 PCRHAIGCLETVBGEQO--EHEVOMLRHLAML--LSSVLEAKPLGLGQSHAGSELLO 288
 QY 279 N-ESVERKNKSIQSLHNOICSEFIEIEROKEMLRNNSKILHLQRYIDSOAEKLEIDKEI 337
 Db 289 RCESLEKKTA--TFENIVCVLNREVER-----VAMTAEACS----- 322
 QY 338 RPFQNMEEADSMKSSVESIQNRVTELESVDKAGVARTGILLESOLSRHDMLSVHDI 397
 Db 323 ---RQRLDQD---KTEALSKVOOLE-----RSIGL-----KDL 351

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QY 398 RLADMDLRFVLETAASYNGVILMKIRYKRRKQEAVMGKTLSTYSGPYTGYYGKMCAR 457
   :|::: : : : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 352 AMADLDQKRPFOAGCGHHYCSFCILASILKIQEAVAGIPIPIFSPATTSYTGKMLR 411
QY 458 VYLNQDGKMGKTHLSLFYIMRGEYDALLPWFKOKVTLMLMDQSSRRHLGDAKPDPN 517
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 412 IYLNQDGKMGKTHLSLFYIMRGEYDALLPWFKOKVTLMLMDQSSRRHLGDAKPDPN 470
QY 518 SSSFKKPTGEMNINASGCPVFAQTYLE-NGYTIKDD 552
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 471 SSSFKRPNVNDMNINASGCPVFAQTYLE-NGYTIKDD 506

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RESULT 7

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US-09-724-676A-53796
; Sequence 53796, Application US/09724676A
; GENERAL INFORMATION:
; APPLICANT: Compugen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 Compugen
; CURRENT APPLICATION NUMBER: US/09/724,676A
; FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 53796
; LENGTH: 536
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-724-676A-53796

```

```

Query Match      22.0%; Score 660.5; DB 5; Length 536;
Best Local Similarity 32.4%; Pred. No. 6,2e-54;
Matches 167; Conservative 82; Mismatches 170; Indels 97; Gaps 20;

```

```

QY 63 PKOTEGHRCPCSCMAALLSSSPKCTAC-QESIVADKY-----FNDNCKRRIIAL 113
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 62 PFOAGCGHRYCSFCILASILSGPNCACAHGIEYEGISLESSAPFDNARKGVESL 121
QY 114 QICRNESRCACQQLFLGHLVILKNDCHFEELPCVR---PCKEKVLRKKDLRDHYEKAC 170
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 122 PAVC--PSDQCTWKTLKEV-----ESCHGRCPLMLTECPACKGLVRLGKEKRLHEHC 174
QY 171 KYREATCSHCKSOVMPIALOKHEDTDCPCVVVSCPHKCSVQTLRLSELSAHLSECVNAPS 230
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 175 PERSLSCRHCRAPCCGADYKAHHEV-CPKPLTLC-DGCGKKRIPREKFDHYVTCGKCRV 232
QY 231 TCSFKRYGCV--FQGTNOQIKAHASSAVOHVLLKEMNSLDEK-----VSLIQ 278
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 233 PCRFHAIGCLEYVEGERKQO--EHEVQMLREHLAMT--LSSVLEAKPLLDGSHAGSELQ 288
QY 279 N-ESVEKNKSIOSLHNOICSEFIEIEROKEMLRNNESKILHLQVRLDQSAEKLDELKEI 337
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 289 RCSLEKKA--TFENIVCYLNRVER-----VAMAEACSS----- 322
QY 338 RPRQNWEEADSMKSSVESLQNRVTELESYDKSAGAVARNTGLLESOLSRHDMQSLVHDI 397
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 323 ---RQHLRDD---KTEALSVKVQOLE-----RSLGL-----KDL 351
QY 398 RLADMDLRFVLETAASYNGVILMKIRYKRRKQEAVMGKTLSTYSGPYTGYYGKMCAR 457
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 352 AMADLDQKRPFOAGCGHHYCSFCILASILKIQEAVAGIPIPIFSPATTSYTGKMLR 411
QY 458 VYLNQDGKMGKTHLSLFYIMRGEYDALLPWFKOKVTLMLMDQSSRRHLGDAKPDPN 517
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 412 IYLNQDGKMGKTHLSLFYIMRGEYDALLPWFKOKVTLMLMDQSSRRHLGDAKPDPN 470
QY 518 SSSFKKPTGEMNINASGCPVFAQTYLE-NGYTIKDD 552
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 471 SSSFKRPNVNDMNINASGCPVFAQTYLE-NGYTIKDD 506

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RESULT 8
US-10-283-500-2

```

; Sequence 2, Application US/10283500
; GENERAL INFORMATION:
; APPLICANT: Goeddel, David V.
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor-Associated Factors
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

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COMPUTER READABLE FORM:

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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)

```

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/283,500
FILING DATE: 30-Oct-2002
CLASSIFICATION: <unknown>

```

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/779,599
FILING DATE: 07-Jan-1997

```

```

ATTORNEY/AGENT INFORMATION:
NAME: Dregel, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: P0897C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-3216
TELEFAX: 415/952-9881
TELEX: 910/371-7168

```

```

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 409 amino acids

```

```

TYPE: Amino Acid
TOPOLOGY: Linear

```

```

SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-283-500-2

```

```

Query Match      20.9%; Score 628; DB 6; Length 409;
Best Local Similarity 36.6%; Pred. No. 4.9e-51;
Matches 154; Conservative 69; Mismatches 128; Indels 70; Gaps 13;

```

```

QY 173 REATCSHCKSOVMPIALOKHEDTDCPCVVVSCPHKCSVQTLRLSELSAHLSECVNAPS 232
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 28 RYLCTACLSE-----NLKDEDRICPKRADNLHPVSGSLYGF-KVH-SDVAEALIMC 81
QY 233 SFKRYGCVQGTNOQIKAHASSAVOHVNL--LKEMNS-----LEKVSLL 277
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 82 PFAVGGCSFKGSPQSMQHEATSOSSHLLYLAVLKEKSSPGSNLGSAPVALRLNSEL 141
QY 278 QNESVEKNKSIOSLHNOICSEFIEIEROKEMLRNNESKILHLQVRLDQSAEKLDELKEI 336
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 142 Q-----LQAAVEATGDELVDCYRAPCCESEELALQHLV-----EKLALQLEEK 186
QY 337 IRPRQNWEEADSMKSSVESLQNRVTELESYDKSAGAVARNTGLLESOLSRHDMQSLVHDI 397
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 187 LRVF-----ANIVAVLNKREVE-----ASHLALASHQSLDREHLSLEQR 228
QY 389 ---DOMLSVHDIRLADMDLRFVLETAASYNGVILMKIRYKRRKQEAVMGKTLSTYSGP 444
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 229 VVELQQTILAQKQVGLKLEHSLRLMEASFGDTLMTKTLNVTYKCHHSVCGRTVLSFPA 288
QY 445 FYTGFGYKMKARVYLNQDGKMGKTHLSLFYIMRGEYDALLPWFKOKVTLMLMDQSS 504
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 289 FYTAKYGYKLCRLYNLDGSGKTHLSLFYIMRGEYDALLPWFKOKVTLMLMDQSS 504
QY 505 RRLHGDARFDPNSSSEFKPTGEMNINASGCPVFAQTYLE-NGYTIKDDTIFIKVLYDT 562
   :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|::: : :|
Db 348 RHAIDARFDPNLSASFORPOSETNVWASGCPVFAQTYLE-NGYTIKDDTIFIKVLYDT 407

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NUMBER OF SEQ ID NOS: 16
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 10
 LENGTH: 46
 TYPE: PRF
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: fragment
 US-09-716-536-10

Query Match 8.3%; Score 249; DB 5; Length 46;
 Best Local Similarity 95.7%; Pred. No. 1,2e-16;
 Matches 44; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 50 KYCKECHLVLCSPKQTECGHRCESCMALLSSSPKCTACQESI 95
 Db 1 KYCKECHLVLCNPKQTECGHRCESCMALLSSSPKCTACQESI 46

RESULT 12
 US-10-197-666A-116
 ; Sequence 116, Application US/10197666A
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAH KASEI KABUSIKI KAISYA
 ; TITLE OF INVENTION: Eiki phosphorylation related gene
 ; FILE REFERENCE: PH-1548US
 ; CURRENT APPLICATION NUMBER: US/10/197,666A
 ; PRIOR FILING DATE: 2002-11-18
 ; PRIOR APPLICATION NUMBER: JP 2001-218204
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: JP 2001-263450
 ; PRIOR FILING DATE: 2001-08-31
 ; PRIOR APPLICATION NUMBER: JP 2002-012176
 ; PRIOR FILING DATE: 2002-01-21
 ; PRIOR APPLICATION NUMBER: US 60/305,884
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: US 60/316,304
 ; PRIOR FILING DATE: 2001-09-04
 ; PRIOR APPLICATION NUMBER: US 60/350,027
 ; PRIOR FILING DATE: 2002-01-23
 ; NUMBER OF SEQ ID NOS: 156
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 116
 ; LENGTH: 631
 ; TYPE: PRF
 ; ORGANISM: Mus musculus
 US-10-197-666A-116

Query Match 7.1%; Score 212.5; DB 6; Length 631;
 Best Local Similarity 21.3%; Pred. No. 1.4e-11;
 Matches 102; Conservative 52; Mismatches 166; Indels 159; Gaps 19;

QY 4 SKKMDSPGALQTNPLKLTDRSAGTPVFP--BGGYKKEFYVTEDEKCYCEKCHLV 60
 Db 44 TAAADGTGYKH---RRTPESSSTLAYSPRDEDMPELVFAOPSVKLCQCCSVF 99
 QY 61 CSPKQTECGHRCESCMALLSSSPKCTACQESIYKDKYFKNCKCKREI 120
 Db 100 KDPVITTCGHTFCRR---ALKSEKCPV-----DN-AKLTVVNNI----- 136
 QY 121 SRGCAEQLTGLHLLVHLKNDCH-----FEELPCVARDCKEYLRKDLRDEKACK 171
 Db 137 --AVAAQ--IGELFHCRGCHAGTAGKPGVEYDP--RGCPFTIKLSARKDH-ESSCD 188
 QY 172 YREATCSHCKSOYPMIALOKHEDTDCPCVYVSCPHKCSVQTLIRSELSHLSQCNAST 231
 Db 189 YRP-----VRCPNNPSCPLLKMLKMLKMLKMLKMLKMLKMLKMLKMLKMLKMLK 219
 QY 232 CSPKQTECGHRCESCMALLSSSPKCTACQESIYKDKYFKNCKCKREI 291
 Db 220 CPHSKYGCFTIG-----NODTYET 238
 QY 292 HNOICFEIEIEROKEMLRNNESKILHLOVIDSOAEKLELDKEIRPRONWBEADSMK 351

Db 239 HLETCRF---EGKLEFLQOSDDR-FHEMHV-----ALAKQDOETA-----FLR 277
 QY 352 SSVESLONRYTELE-SYDKSAGVARNITGLLESQLSRHQOMLSYHDIRLADMLRFOYLE 410
 Db 278 SMLGKLEKINOLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEK 337
 QY 411 TASYNGVLWKIRIDYKRRKQEAVMGKTLISLQPFYGYGYKMCARVYLNDGNGKGT 469
 Db 338 LGSYDPOQIFKCKG-----FTVGHQGPVWCICVYSMDLLFLFSGS 376

RESULT 13
 US-10-197-666A-114
 ; Sequence 114, Application US/10197666A
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAH KASEI KABUSIKI KAISYA
 ; TITLE OF INVENTION: Eiki phosphorylation related gene
 ; FILE REFERENCE: PH-1548US
 ; CURRENT APPLICATION NUMBER: US/10/197,666A
 ; PRIOR FILING DATE: 2002-11-18
 ; PRIOR APPLICATION NUMBER: JP 2001-218204
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: JP 2001-263450
 ; PRIOR FILING DATE: 2001-08-31
 ; PRIOR APPLICATION NUMBER: JP 2002-012176
 ; PRIOR FILING DATE: 2002-01-21
 ; PRIOR APPLICATION NUMBER: US 60/305,884
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: US 60/316,304
 ; PRIOR FILING DATE: 2001-09-04
 ; PRIOR APPLICATION NUMBER: US 60/350,027
 ; PRIOR FILING DATE: 2002-01-23
 ; NUMBER OF SEQ ID NOS: 156
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 114
 ; LENGTH: 670
 ; TYPE: PRF
 ; ORGANISM: Mus musculus
 US-10-197-666A-114

Query Match 7.0%; Score 209.5; DB 6; Length 670;
 Best Local Similarity 21.1%; Pred. No. 2.9e-11;
 Matches 103; Conservative 54; Mismatches 167; Indels 165; Gaps 20;

QY 4 SKKMDSPGALQTNPLKLTDRSAGTPVFP--BGGYKKEFYVTEDEKCYCEKCHLV 52
 Db 69 SPRDEDMPELVFAOPSVKLCQCCSVF-----LHTRDSAG--TPVFP--BGGYKKEFYVTEDEKCY 128
 QY 53 --CEKCHLVLCSPKQTECGHRCESCMALLSSSPKCTACQESIYKDKYFKNCKCKREI 110
 Db 129 LCCQCCSVFMDPVITTCGHTFCRR---ALKSEKCPV-----DN-AKLTVV 170
 QY 111 LADQITCRNESRGCAEQLTGLHLLVHLKNDCH-----FEELPCVARDCKEYLRKDL 161
 Db 171 VVNNI-----AVAEQ--IGELFHCRGCHAGTAGKPGVEYDP--RGCPFTIKLSA 218
 QY 162 LRDEVERACKYREATCSHCKSOYPMIALOKHEDTDCPCVYVSCPHKCSVQTLIRSELSA 221
 Db 219 RKDH-ESSCDYRP-----VRCPNNPSCPLLKMLKMLKMLKMLKMLKMLKMLKMLKMLK 250
 QY 222 LSECVNAPSTCSFPRYCGVFOGTNOQIKAHBASSAVOHVNLKEMNSLEKKTSLQNES 281
 Db 251 LKECEHI--KCPHSHKYGCTFTIG----- 270
 QY 282 VEKKNSTIOSLHNOICFEIEIEROKEMLRNNESKILHLOVIDSOAEKLELDKEIRPR 341
 Db 271 ---NODTYETLHETCRF---EGKLEFLQOTDR-FHEMHV-----ALAKQDOETA--- 313
 QY 342 QNMWEADSMKSSVESLONRYTELE-SYDKSAGVARNITGLLESQLSRHQOMLSYHDIRL 400
 Db 314 -----FLRSMLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEKLEK 366

QY 401 DMDLRFQVETASVNGYLIMKIDPKYKRRQEAVMGKTLISYQPIYTGTFGKIMCARVYL 460
 Db 367 HINARLMIGLISYDPQIFKCKG-----TFVGHQSPVMCLCVYS 406
 QY 461 NGDGMGKGT 469
 Db 407 MGDLFFSGS 415

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RESULT 14
US-10-197-666A-112
: Sequence 112, Application US/10197/666A
: GENERAL INFORMATION:
: APPLICANT: ASAHU KASEI KABUSIKI KAISYA
: TITLE OF INVENTION: Elki phosphorylation related gene
: FILE REFERENCE: PH-154805
: CURRENT APPLICATION NUMBER: US/10/197,666A
: CURRENT FILING DATE: 2002-11-18
: PRIOR APPLICATION NUMBER: JP 2001-218204
: PRIOR FILING DATE: 2001-07-18
: PRIOR APPLICATION NUMBER: JP 2001-263450
: PRIOR FILING DATE: 2001-08-31
: PRIOR APPLICATION NUMBER: JP 2002-012176
: PRIOR FILING DATE: 2002-01-21
: PRIOR APPLICATION NUMBER: US 60/305,884
: PRIOR FILING DATE: 2001-07-18
: PRIOR APPLICATION NUMBER: US 60/316,304
: PRIOR FILING DATE: 2001-09-04
: PRIOR APPLICATION NUMBER: US 60/350,027
: PRIOR FILING DATE: 2002-01-23
: NUMBER OF SEQ ID NOS: 156
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO. 112
: LENGTH: 641
:
: TYPE: PRT
: ORGANISM: Homo sapiens
: SS-10-197-666A-112

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Query Local: 6.9% Score 207.5; DB 6; Length 641;
Best Local Similarity 21.1%; Pred. No. 4.2e-11;
Matches 100; Conservative 61; Mismatches 170; Indels 143; Gaps 19;

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QY      1 MESSKMDSPGALQTNPEPLKLTHTDRSAG--TPVFVPEDGGRKEKFKVTVDKKY--CEKC 56
Db      51 ISTRBRDSDA1SVRS-----LHSESSMSLRSTFSPLEEEEPPEPLVPAEDPSVKLCCQCL 105

QY      57 HLIVCSPEKQEGCFRCESCGMALLSSSPKPTACQESIVADKFKRNCCKRETLAQY 116
Db     106 CSVPKDPVITTCGHTCCRC-----ALSKCPV-----DN-----VLTIV 142

QY     117 CRNSRCCABQLTGLHLVHLANDCHFEEPLCPVRPDCKEKYLKRLDHYEKACKYREAT 176
Db     143 VNNTA--VARQ--IGELFLICRHGR-----VAGSGKPIFEVDPRG----- 180

QY     177 CSNKSQVPIALQKEDTDCPCVAVVSGPHKCSQVTLRSLSLHSECYNABSTCSFKR 236
Db     181 ---CPRIKISAKKHDEGS--CDYRRCPCPNPSCPLLRLMLNHLKCEBHI--KCPHSK 234

QY     237 YGCVPGCTNQOIKAHBASSAVQHVNLKEMWSNLEKKVSLIONESYEKKNKSIOSLNQIC 296
Db     235 YGCTFCIG-----NODPYETHLEIC 253

QY     297 SFTEIEIROKEMLRNNESKILHLQVIDISOAEKLKELDKETRPPRONMEABDSKMSVES 356
Db     254 RF-----EGLEKPELQOQDDR--FHENAV-----ALAQKQOELA-----FLRSMLEK 292

QY     357 LQNRVLEL--SVDKSAGVARNRTGLESQLSRHDQMLSVHDIRLADMDLRFQVLEIETASYN 415
Db     293 LSEKIQOLEKSLLEKFDVLDENQSLSEBDELFERRDASMLNDELSHINRLNMGLIGISTD 352

QY      416 GLVIMKIRIDYKRRKQDAVVGKTLISQSPFYTGFGYKKMKARYYLNGDGMKGT 469
Db     353 PQQIFCKG-----TFVGHQGGVWCLCYVSGMDLFFSGS 386
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RESULT 15
US-10-197-666A-150
; Sequence 150, Application US/10197666A
; GENERAL INFORMATION:
; APPLICANT: ASAH KASEI KABUSIKI KAISYA
; TITLE OF INVENTION: Etki phosphorylation related gene
; FILE REFERENCE: PH-1548US
; CURRENT APPLICATION NUMBER: US/10/197, 666A
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: JP 2001-218204
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: JP 2001-263450
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: JP 2002-012176
; PRIOR FILING DATE: 2002-01-21
; PRIOR APPLICATION NUMBER: US 60/305,884
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/316,304
; PRIOR FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: US 60/350,027
; PRIOR FILING DATE: 2002-01-23
; NUMBER OF SEQ ID NOS: 156
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 150
; LENGTH: 670
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-197-666A-150

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Query Match      6.9%: Score 207.5; DB 6; Length 670;
Best Local Similarity 21.1%: Pred. No. 4, 4e-11;
Matches 100; Conservative 61; Mismatches 170; Indels 143; Gaps 19;

QY 1 MESSKMDSPGALQTNPLKLTDRSAG--TFVFEQGGYKREKFKVTEADKYK--CEKC 56
DB 80 ISYPRSDSALSVRS-----LHSESSMLRSFSLPEEEREPPLVFAQSPVKLCCQIC 134
QY 57 HLVCSPKQTEGCHRCCECMAALLSSSPKCTACQESTIVKDKVFNDCCKRETLAQTY 116
DB 135 CSYFKDPVITVTHGHFRCRC-----ALKEKCPV-----DN-----VKLVV 171
QY 117 CRNESRGAEOITLGHILVHKNDCFEELPCVPRDCKEYLRKDLRHYEACRYREAT 176
DB 172 VNNIA--VAEQ--IGELFHCRRGCR-----VAGSGRPJEVPRG----- 209
QY 177 GSHCKSQVPMIALQKHEDTDCPCVVVSCPHKCSYOTLLRSELSAHLSECVNAPYCSFKR 236
DB 210 ---CPFTIKLSARKDHESG--CDYRVRGCPNNNSCPPLRLMNEALHKECEH--KCPISK 263
QY 237 YCCVQGTINQOIKAHBASAVOHVNLKEMWSNLEKRVSLQNESVEKRNKSIOSLHNOIC 296
DB 264 YCCTFG-----NODTYEHLETC 282
QY 297 SEIEIERQKEMLRNNESKILHLQRYVDSQAEKLEKDETRIPFQNNNEADSKSSVES 356
DB 283 RF---EGIKETPLQOTDOR--FHEMHV-----ALAKQOQIEA-----FLRSLGK 321
QY 357 LQNRVTELE--SYDKSAGAVARNTGLESQLSRHQOMLSVNHDIRLADMDLRQVULETASYN 415
DB 322 LSEKIDQLEKSELKFDVLDENOSTLSDLEFFRRDASMLDESHINARLNMGTIGSYD 381
QY 416 GVLTKIRIDYKRRKQEAVMGKTLSLYQSPFYTYGFGYKMACARVYLVNCGMGKGT 469
DB 382 PQQIRCKRG-----TFVGHGGPVMCGLCYVSMGDLRSGS 415

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